

CLAIMS AMENDMENTS

CLAIMS

1 (Original) A mobile agent device in a Mobile Virtual Private Network, said device comprising:

- a. tTermination of Mobile IP tunnel from a remotely connecting Mobile Node;
- b. tTermination of an IPSec VPN tunnel from the remotely connecting Mobile Node;
- c. dDynamic Selection of Internal Mobile IP Home Agent based on user Authentication;
- d. tTunneling of traffic to and/or from the assigned Internal Mobile Home Agent for this Mobile Node; and,
- e. pProvision of extended authentication, after Mobile IP connection establishment, and during the VPN negotiation phase, based on extra user credentials, one-time-password mechanism or similar.

2. (Currently Amended) ~~A~~The device ~~according to of e~~Claim 1, wherein the mobile agent device appears as a Mobile IP Foreign Agent towards the Internal Home Agent.

3. (Currently Amended) ~~A~~The device ~~according to of e~~Claim 1, wherein the mobile agent device appears as a Mobile IP Home Agent towards the remotely connecting Mobile Node.

4. (Currently Amended) ~~A~~The device ~~according to of e~~Claim 1, wherein the mobile agent device provides a dynamically assigned Mobile IP address to the Mobile Node, if requested to do so by the Mobile Node.

5. (Currently Amended) ~~A~~The device ~~according to of e~~Claim 1, wherein the mobile agent device provides a termination point for IKE & IPSec VPN connections from a remotely connecting Mobile Node.

6. (Currently Amended) ~~A~~The device ~~according to of~~ eClaim 1, wherein IP encapsulated tunneling is used for transfer of traffic between the mobile agent device and the Internal Home Agent.
7. (Currently Amended) The device recited in eClaim A1, wherein UDP encapsulated tunneling is used for transfer of traffic between the mobile agent device and the Internal Home Agent.
8. (Currently Amended) ~~A~~The device ~~according to of~~ eClaim 1, wherein traffic can be routed directly from the mobile agent device towards its destination, on receipt from the mobile node.
9. (Currently Amended) ~~A~~The device ~~according to of~~ eClaim 1, wherein IP encapsulated tunneling is used for transfer of traffic between the mobile node and the mobile agent device.
10. (Currently Amended) ~~A~~The device ~~according to of~~ eClaim 1, wherein UDP encapsulated tunneling is used for transfer of traffic between the mobile node and the mobile agent device.
11. (Currently Amended) ~~A~~The device ~~according to of~~ eClaim 9 or 10, wherein IPSec tunneling is used for protection of the transfer of traffic between the mobile node and the mobile agent device, within said encapsulation.
12. (Currently Amended) ~~A~~The device ~~according to of~~ eClaim 1, further comprising restriction of user access to the internal home agent or internal network, until extended user authentication is carried out.
13. (Currently Amended) ~~A~~The device ~~according to of~~ eClaim 1, further comprising time and volume based accounting is carried out a per Mobile Node basis.

15. (New) The device of Claim 10, wherein IPSec tunneling is used for protection of the transfer of traffic between the mobile node and the mobile agent device, within said encapsulation.